

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspio.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

27142

7590

10/03/2003

MCKEE, VOORHEES & SEASE, P.L.C. ATTN: PIONEER HI-BRED 801 GRAND AVENUE, SUITE 3200 DES MOINES, IA 50309-2721 EXAMINER

IBRAHIM, MEDINA AHMED

PAPER NUMBER

ART UNIT

DATE MAILED: 10/03/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/658,835	09/08/2000	Jonathan P. Duvick	1134R	2865

TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	01/05/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000

or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/658,835 09/08/2000 Jonathan P. Duvick 1134R 2865 TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1330 \$0 \$1330 01/05/2004 EXAMINER ART UNIT CLASS-SUBCLASS IBRAHIM, MEDINA AHMED 1638 800-279000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). CRANGE OF CORRESPONDENCE Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignce is identified below, no assignce data will appear on the patent. Inclusion of assignce data is only appropriate when an assignmen been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE	CURRENT CORRESPONDENCE	CE ADDRESS (Note: Legibly mark-up	p with any corrections or	use Block 1)	Note: A certifica	te of mailing can only be used t	for domestic mailings of the		
MCKEE, VOORHEES & SEASE, P.L.C. ATTN: PIONEER HI-BRED 801 GRAND AVENUE, SUITE 3200 DES MOINES, IA 50309-2721 Provided of the Company of th	27142 7	500 10/03/2003			Fec(s) Transmitta papers. Each add have its own certi	al. This certificate cannot be used itional paper, such as an assignm	for any other accompanying cent or formal drawing, must		
ATTI. PIONEER HI-BRED BOI GRAND AVENUE, SUITE 3200 DES MOINES, IA 50309-2721 APPLICATION NO. FILING DATE PIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 9658,2835 9968/2000 Joseban P. Duvick 1134R 2865 TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE APPLY TYPE SMALL ENTITY ISSUE PIE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1330 \$0 \$1330 01/05/2004 APPLY TYPE SMALL ENTITY ISSUE PIE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1350 \$0 \$1330 01/05/2004 EXAMINER ART UNIT CLASS-SUBCLASS IBRAHM, MEDINA AIMMED 1038 I. Change of correspondence address of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (37 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indication of "Pee Address" (38 Total Pee Address") of indi			r C		nave as own cert				
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09658,835 09082000 Jonathan P. Duvick 1134R 2865 TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE APPLN TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(5) DUE DATE DUE nonprovisional NO \$1330 \$0 \$1330 01/05/2004 EXAMINER ART UNIT CLASS-SUBCLASS IBRAHIM, MEDINA AHMED 1638 I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or endication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or change of Correspondence Address of unit of 3 registered patient, interval of the CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of the Address of unit of the CRR 1,563) I Change of correspondence address or indication of the Address of unit of the CRR 1,563 (RR 1,643) I Change of correspondence address or indication of the Address of unit of			L.C.		I hereby certify the	Certificate of Mailing or Tran	i smission na denosited with the United		
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09658,835 09082000 Jonathan P. Duvick 1134R 2865 TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE APPLN TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(5) DUE DATE DUE nonprovisional NO \$1330 \$0 \$1330 01/05/2004 EXAMINER ART UNIT CLASS-SUBCLASS IBRAHIM, MEDINA AHMED 1638 I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or endication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or change of Correspondence Address of unit of 3 registered patient, interval of the CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of "Fee Address" (37 CRR 1,563) I Change of correspondence address or indication of the Address of unit of the CRR 1,563) I Change of correspondence address or indication of the Address of unit of the CRR 1,563 (RR 1,643) I Change of correspondence address or indication of the Address of unit of					States Postal Serv	vice with sufficient postage for fi	rst class mail in an envelope		
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 90/658,835 90/98/2000 Journal P. Duvick 1134R 2865 TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE APPLY TYPE SMALLENTITY ISSUE FEE PUBLICATION FEE TOTAL FER(S) DUE DATE DUE Proprovisional NO S1330 40 S1330 01/05/2004 EXAMINER ART UNIT CLASS-SUBCLASS IBRAHIM, MEDINA AHIMED 1638 500-279000 1. Change of correspondence address or indication of "Fee Address" (17) C. Change of correspondence address for Change of Correspondence Address for POXSB47); Rev. 90/00/2004 or a prepared patient growth of the patient from page, list (1) the mass of up to 3 registered patient attorneys or agents of the patient from page, list (1) the mass of up to 3 registered patient growth of the patient attorneys or agents of the patient from page, list (1) the mass of up to 3 registered patient attorneys or agents of the patient attorneys or agents of the patient attorneys or agents and the category of the patient attorneys or agents and the category of the patient attorneys or agents and the category of the patient attorneys or agents and the category of the patient attorneys or agents and the category of the patient during the patient attorneys or agents and the category of the patient during the patient of the patient attorneys or agents and the category of the patient during the patient of the patient attorneys or agent and the patient attorneys or agent attorneys or agent and the patient attorneys or agent attorneys or agent attorneys or agent attorneys or agent cover. Completion of this form, the patient attorneys and the category or					transmitted to the	addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.			
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/658,835 09/08/2000 Jonathan P. Duvick 1134R 2865 TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE APPLN. TYPE SMALL ENTITY INSUE PEE PUBLICATION PEE TOTAL PEERS) DUE DATE DUE nonprovisional NO \$1330 \$0 \$1330 01/05/2004 EXAMINER ART UNIT CLASS-SUBCLASS IBRAHIM, MEDINA AHIMED 1638 800-279000 I. Change of correspondence address or indication of "Fee Address" (37) 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents of memory of the patent front page, list (1) the names of up to 2 registered patent attorneys or agents of memory of the patent front page, list (1) the names of up to 2 registered patent attorneys or agents of the name of a single firm (having as a member a registered attorney or agents of the name of a single firm (having as a member a registered attorney or agents of the name of a single firm (having as a member a registered attorney or agents of the names of up to 2 registered patent attorneys or agents, if no name is listed, no name and the patent of the names of up to 2 registered patent attorneys or agents, if no name is listed, no name and the patent of the names of up to 2 registered patent attorneys or agents, if no name is listed, no name and the patent of the names of up to 2 registered patent attorneys or agents, if no name is listed, no name and the patent of the name of a substitute for filing an assignment attorneys or agents, if no name is listed, no name and the patent of the name of a substitute for filing an assignment of the fee(s) in name of the fee(s)							(Depositor's name)		
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 99(658,835 09):08/2000 Jonathan P. Duvick 1134R 2865 TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE APPLN. TYPE SMALL ENTITY ISSUE PIE PUBLICATION PEE TOTAL FEE(S) DUE DATE DUE comprovisional NO \$1330 S0 S1330 01/05/2004 EXAMINER ART UNIT CLASS-SUBCLASS IBRAHIM, MEDINA AHMED 1638 800-279000 L. Change of correspondence address or indication of "Fee Address" (37 CFR 1.34). CREEK 1.343) BO 10/05/2004 L. Change of correspondence address or indication of "Fee Address" (37 CFR 1.34). CREEK 1.343) CREEK SUBCLASS IBRAHIM, MEDINA AHMED 1638 800-279000 P. CREEK 1.343) CREEK SUBCLASS IBRAHIM MEDINA AHMED 1638 800-279000 P. CREEK 1.345) CREEK SUBCLASS IBRAHIM MEDINA AHMED 1638 800-279000 P. CREEK 1.345) CREEK SUBCLASS IBRAHIM MEDINA AHMED 1638 800-279000 P. CREEK 1.345) CREEK SUBCLASS IBRAHIM MEDINA AHMED 1638 800-279000 P. CREEK 1.345) CREEK SUBCLASS IBRAHIM MEDINA AHMED 1638 800-279000 P. CREEK 1.345) CREEK SUBCLASS IBRAHIM MEDINA AHMED 1638 800-279000 P. CREEK 1.345) CREEK SUBCLASS IBRAHIM MEDINA AHMED 1638 800-279000 P. CREEK 1.345) CREEK SUBCLASS S							(Signature)		
09/658,835 09/08/2000 Jonathan P, Duvick 1134R 2865 TITLE OF INVENTION: AMINO POLYOL AMINE OXIDASE POLYNUCLEOTIDES AND RELATED POLYPEPTIDES AND METHODS OF USE APPLN. TYPE SMALL ENTITY ISSUE PEE PUBLICATION FEE TOTAL PRESS DUE DATE DUE nonprovisional NO \$1330 \$1330 \$1330 \$1330 \$105/2004\$ EXAMINER ART UNIT CLASS-SUBCLASS IBRAHIM, MEDINA AHMED 1638 800-279000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.53) 2. Change of correspondence address or indication of "Fee Address" (37 CFR 1.54) 2. For printing on the patient front page, list (1) the nature of the nature of the patient front page, list (1) the nature of the n	A PRI ICATION NO	EX INC DATE	Γ	EIRCT NAMED IN	VENTOR	ATTORNEY DOCKET NO			
APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1330 \$0 \$1330 01/05/2004 EXAMINIR ART UNIT CLASS-SUBCLASS BRAHIM, MEDINA AHMED 1638 800-279000 I. Change of correspondence address or indication of "Fee Address" (37 CRR 1.63) and a new provisional none of the Company of t		L	l						
nenprovisional NO \$1330 \$0 \$1330 01/05/2004 EXAMINER ART UNIT CLASS-SUBCLASS IBRAHIM, MEDINA AHMED 1638 800-279000 1. Change of correspondence address or indication of "Fee Address" (37 cpr. 1.363) Change of correspondence address or indication of "Fee Address" (37 cpr. 1.363) Classe of correspondence address (or Change of Correspondence Address from PTO/SB/12) attached. Classe of correspondence address (or Change of Correspondence Address from PTO/SB/12) attached. Classe of correspondence address (or Change of Correspondence Address from PTO/SB/12) attached. Classes of the total correspondence address from the correspondence Address from PTO/SB/12) attached. Classes of the total correspondence address from the patent address from the correspondence address from the correspondence address from the correspondence address from the corresponden	•		XIDASE POLYNU						
BRAHIM, MEDINA AHMED 1638 800-279000	APPLN, TYPE	SMALL ENTITY	ISSUE FE	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE		
IBRAHIM, MEDINA AHMED 1638 800-279000 1. Change of correspondence address or indication of "Fee Address" (37 CPR 1.56). Change of correspondence address (or Change of Correspondence Address from PTO/SB/12) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/12) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/12) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/12) attached. Use of a Customer PTO/SB/12 attached. The Address from the pattern of the form (having as a member a registered attorney or agents. If no name is listed, no name will be printed the pattern of the form is NOT a substitute for filing an assignmen been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignmen of the pattern of the patte	nonprovisional	NO	\$1330		\$0	\$1330	01/05/2004		
1. Change of correspondence address or indication of "Fee Address" (37 CPR 1.563). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agents OR, alternatively, (2) the name of a single firm (having as a member a registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered patent attorney or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent). As SIGNEE NAME AND RISIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignce is identified below, no assignce data will appear on the patent, Inclusion of assignce data is only appropriate when an assignmen been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignce category or categories (will not be printed on the patent); individual corporation or other private group entity govern 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any overpaymer peptist as shown by the records of the United States Patent and Trademark Office. The Director is hereby authorized by charge the required fee(s), or credit any overpaymer peptist as shown by the records of the United States Patent and Trademark Office. U.S. Department of condemark of fice, U.S. Department of condemark of fice, U.S. Department of commerce, Alexandra, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.	EXAM	IINER	ART UN	IT	CLASS-SUBCLASS				
CRR 1.363). Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of Correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of Correspondence address (or Change of Correspondence) attached. Change of Correspondence address (or Change of Correspondence) attached. Change of Correspondence address (or Change of Correspondence) attached. Change of Correspondence address (or Correspondence) attached. Change of Correspondence	IBRAHIM, ME	DINA AHMED	1638	8 800-279000					
Address from PTO/8B/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/8B/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/8B/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/8B/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/8B/122) attached. "Assignee Indication (or "Fee Address" Indication form PTO/8B/122) attached. "Assignee Indication (or "Fee Address" Indication form PTO/8B/122) attached. "Assignee Indication (or "Fee Address" Indication form PTO/8B/122) attached. "Assignee Indication (or "Fee Address" Indication form PTO/8B/122) attached. "Assignee Indication (or "Fee Address" Indication form PTO/8B/122) attached. "Assignee Indication Indica	CFR 1,363).			names of up	to 3 registered pate	nt attorneys or 1			
attorneys or agents. If no name is listed, no name will be printed. attorneys or agents. If no name is listed, no name will be printed. 3 ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) 4. A Check in the previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. 4. NAME OF ASSIGNEE B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent); attraction of the following fee(s) are enclosed: being being being a submitted on the patent; consider the properties of the amount of the fee(s) is enclosed. Publication Fee Acheck in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any overpaymer Deposit Account Number (enclose an extra copy of this form). Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Tradenark Office. This collection of information is causived by 37 CFR 1.311. The information is required to application form to the USPTO. Time will vary depending upon the individual properties and profits in cluding against and pradenary of the completed application form to the USPTO. Time will vary depending upon the individual properties and profits in cluding against and pradenary of the complete dapplication form to the Check in the Check in the assignee or other party in interest as shown by the records of the United States Patent and Tradenary Office. Co	☐ Change of corresponde Address form PTO/SB/1:	ence address (or Change of C 22) attached.	Correspondence	firm (having a	as a member a registe	a member a registered attorney or 2			
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignmen been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE Reside the appropriate assignee category or categories (will not be printed on the patent); individual corporation or other private group entity govern data. The following fee(s) are enclosed: db. Payment of Fee(s): ds. Payment of Fee(s): data will appear on the patent); individual corporation or other private group entity govern data. The following fee(s) are enclosed: db. Payment of Fee(s): data will appear on the patent); dindividual corporation or other private group entity govern data. The following fee(s) are enclosed: db. Payment of Fee(s): data will appear on the patent); dindividual corporation or other private group entity govern data. The following fee(s) are enclosed: db. Payment of Fee(s): data will appear on the patent;	Tree Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer			attorneys or a	gents. If no name is				
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignmen been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE Reside the appropriate assignee category or categories (will not be printed on the patent); individual corporation or other private group entity govern data. The following fee(s) are enclosed: db. Payment of Fee(s): ds. Payment of Fee(s): data will appear on the patent); individual corporation or other private group entity govern data. The following fee(s) are enclosed: db. Payment of Fee(s): data will appear on the patent); dindividual corporation or other private group entity govern data. The following fee(s) are enclosed: db. Payment of Fee(s): data will appear on the patent); dindividual corporation or other private group entity govern data. The following fee(s) are enclosed: db. Payment of Fee(s): data will appear on the patent;	3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT (pr	int or type)				
4a. The following fee(s) are enclosed: A check in the amount of the fee(s) is enclosed. Publication Fee	PLEASE NOTE: Unless been previously submitte	an assignee is identified beld to the USPTO or is being s	low, no assignce da submitted under sep	nta will appear or parate cover. Com	the patent. Inclusion pletion of this form is		ate when an assignment has signment.		
4a. The following fee(s) are enclosed: A check in the amount of the fee(s) is enclosed. Publication Fee			` '	·		•			
4a. The following fee(s) are enclosed: A check in the amount of the fee(s) is enclosed. Publication Fee	Please check the appropriate	assignee category or catego	ries (will not be pri	nted on the paten	t); 🚨 individual	corporation or other private g	roup entity 🔲 government		
□ Issue Fee □ A check in the amount of the fee(s) is enclosed. □ Publication Fee □ Payment by credit card. Form PTO-2038 is attached. □ The Director is hereby authorized by charge the required fee(s), or credit any overpaymer Deposit Account Number □ (enclose an extra copy of this form). Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other party in interest as shown by the records of the United States Patent and Trademark Office. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.									
□ Publication Fee □ Advance Order - # of Copies □ The Director is hereby authorized by charge the required fee(s), or credit any overpaymer Deposit Account Number □ (enclose an extra copy of this form). Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Offficer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.	- ,,			•		s enclosed			
Advance Order - # of Copies									
Deposit Account Number		Conies		☐ The Director	is hereby authorized b	by charge the required fee(s) or	credit any overnayment to		
NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.	· · · · · · · · · · · · · · · · · · ·			Deposit Account	Number	(enclose an extra c	copy of this form).		
NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other party in interest as shown by the records of the United States Patent and Trademark Office. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.	Director for Patents is reque	sted to apply the Issue Fee ar	nd Publication Fee	(if any) or to re-a	pply any previously pa	aid issue fee to the application ide	entified above.		
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.	(Authorized Signature)		(Date)						
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a	NOTE; The Issue Fee and Publication Fee (if required) will not be according than the applicant; a registered attorney or agent; or the assigned interest as shown by the records of the United States Patent and Trademark			epted from anyone or other party of Office.	ne in				
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a	This collection of informa obtain or retain a benefit application. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing the Patent and Trademark of 22313-1450. DO NOT SEND TO: Commissioner	tion is required by 37 CFR by the public which is to five is governed by 35 U.S.C. I see to complete, including gen to the USPTO. Time will the amount of time you rehis burden, should be sent toffice, U.S. Department of END FEES OR COMPLE for Patents, Alexandria, Virg	1.311. The inform le (and by the US) 22 and 37 CFR 1.1 thering, preparing, I vary depending to equire to complete to the Chief Inform of Commerce, Al TED FORMS TO ginia 22313-1450.	ation is required PTO to process) 4. This collection and submitting t upon the individu this form and lation Officer, U exandria, Virgin THIS ADDRES	to an is he he hel or S.				
collection of information unless it displays a valid OMB control number.	Under the Paperwork Re- collection of information u	duction Act of 1995, no p nless it displays a valid OME	persons are require 3 control number.	d to respond to	a		•		



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/658,835 09/08/2000 Jonathan P. Duvick 1134R 2865 27142 7590 10/03/2003 EXAMINER MCKEE, VOORHEES & SEASE, P.L.C. IBRAHIM, MEDINA AHMED ATTN: PIONEER HI-BRED ART UNIT PAPER NUMBER 801 GRAND AVENUE, SUITE 3200 DES MOINES, IA 50309-2721 1638

DATE MAILED: 10/03/2003

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 148 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 148 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

APPLICATION NO. FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/658,835	09/658,835 09/08/2000 Jonatha		1134R	2865
27142 7590	10/03/2003		ЕХАМ	INER
MCKEE, VOORHEES ATTN: PIONEER HI-BR	,	IBRAHIM, MEDINA AHMED		
801 GRAND AVENUE, S			ART UNIT	PAPER NUMBER
DES MOINES, IA 50309-	2721	1638		

DATE MAILED: 10/03/2003

Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fed. Reg. 41532, 41533, 41534 (July 14, 2003).

The current fee schedule is accessible from (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent,

By other than a small entity......\$480.00 (c) Issue fee for issuing a plant patent:

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.